

I claim:

5. A two part teaching puzzle apparatus based upon the periodic chart of chemical elements that provides an array of  
5 rows and columns of said chemical elements; where the location of each element in the array is based upon its chemical properties, the apparatus comprising: a first part puzzle board having a top edge, a bottom edge and two side edges, said edges having an outline shape reflective of said  
10 periodic chart, a second part comprising a plurality of cubic shaped pieces, each piece having six faces, each of said pieces corresponding to a chemical element in the periodic table and having information on at least one of said faces of said cubic shape pertaining to the chemical name of a given  
15 said element, said puzzle board having shape for accommodating an array of said cubes that reflects the configuration of said periodic chart.

6. The apparatus of claim 5 wherein said puzzle board  
20 comprises a main section having left and right side edges and top and bottom edges, said main section having a shape for accommodating a 3 x 18 array of said cubic shaped pieces, and a first upper section in connection with said top edge of said main section, said upper section having a left edge that  
25 is co-linear with said left side edge, said first upper section having a shape for accommodating a 2 x 2 array of said cubic shaped pieces, and a second upper section in connection with said top edge of said main section, said second upper section in connection with said top edge of said  
30 main section and having a right edge that is co-linear with said right edge of said main section, said second upper section having a shape for accommodating a 2 x 6 array of said cubic shaped pieces.

7. The apparatus of claim 6 wherein each of said cubes contains information pertaining to a chemical symbol of one of said chemical elements.

- 5 8. The apparatus of claim 7 wherein each of said cubes contains information pertaining to an electronic configuration of one of said chemical elements.